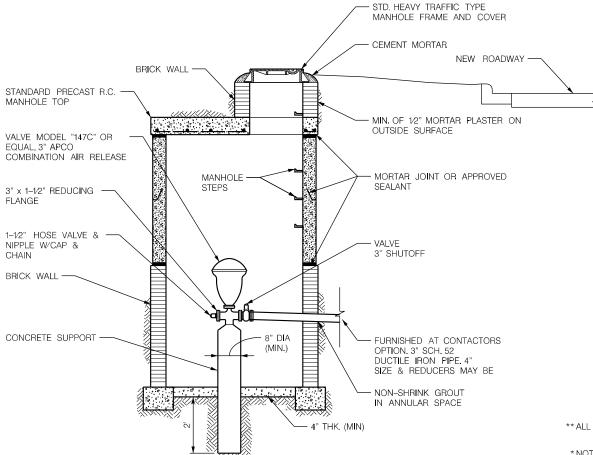
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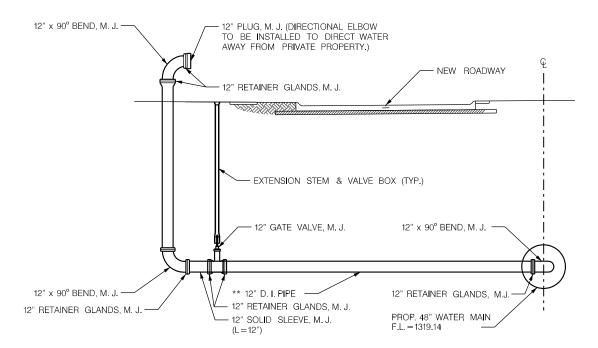


- SEE MANHOLE DETAIL THIS SHEET VALVE BOX AND COVER -NEW ROADWAY -- 3" GATE VALVE, EXT. STEM & VALVE BOX (SEE L.S.P. 310m) - 3" FLANGE 90° BEND - INSULATED FLANGE 3" THREAD BOSS (ALL RESTRAINED JOINTS) -PROP. 48" WATER MAIN

AIR RELEASE/VACUUM RELIEF VALVE MANHOLE

** ALL 12" PIPE TO BE RESTRAINED JOINT

* NOTE: OWNER WILL FURNISH & INSTALL TAPPING S&V's WITH M.J. ENDS. CONTRACTOR WILL INCLUDE WITH ITS BID, COST OF THIS SERVICE BY OWNER FOR MATERIALS AND



AIR RELEASE/VACUUM RELIEF VALVE MANHOLE

RESTRAINED JOINT PIPING PROVIDE 485' D. I. PIPE (305' P. C. C. P.) OF RESTRAINED JOINT PIPE. TIE RODS & MECHANICAL JOINTS - OR RESTRAINED JOINTS. 12" D. I. PIPE HARNESSED PLUG -12" OUTLET -NOTE: PRESTRESSED CONCRETE CYLINDER PIPE DEPICTED FOR 48" TRANSMISSION MAIN. PROP. 48" WATER MAIN OUTLET WITH CAP PROVIDE RESTRAINED PLUG THREADED FOR (RESTRAINED JOINT) 2" THREADED (TYP.) INDICATED OUTLETS.

TYPICAL BULKHEAD/PLUG DETAIL



** PROPOSED END CONNECTION DETAIL SECTION

STA 766+16.79

DETAILS